BRUHAT BANGALORE MAHANAGARA PALIKE

YELHANKA ZONE ELECTRICAL DIVISION

Office of the Executive Engineer
Electrical Division, Yelahanka Zone
Bruhath Bengaluru Mahanagara Palike

"Schedule-B"

Name of work :- Providing and Supplying Electrical Fittings to Yelahanka Lake of Yelahanka Subdivision Ward No 1

Sl.No.	Approved Qty	Description of Work	Unit	Approved Rates	
				in Figures	in words
1	214	Fabricating, supplying and erection of ...Mtrs long hot dip Galvanized Conical pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec for .....Mtrs pole in single section and single joint welded as per IS 9595 IS 10178AWS having dimensions bottom .....mm, top....mm with 3mm thick, suitable base plate and 4Nos of ..... long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc.,(excluding foundation) as per drawing appended.4 meters - Top 75mm and bottom 115 mm dia	Each	7236.00	Rupees Seven Thousand Two Hundred Thirty Six Only
2	214	LED Street light Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminare > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS, UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with ..... W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED source manufacture. Suitable for B1/B2 Roads as per IS 1944 Part I & Part II.LED Streetlight 24watts	Nos	6912.00	Rupees Six Thousand Nine Hundred Twelve Only
3	224	Providing Rcc Pole pedstal of Size 0.3x0.3x0.8 Mtrs Including digging of pit, tor steel, anchoring bolts nuts ,templates ,Centring,1:4:8base concrete,1:2:4pedestal concrete and etc coplete as per the data sheet enclosed	Nos	1080.00	Rupees One Thousand Eighty Only

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4	170	Supplying of 1.1KV grade Aerial Bunched Cable Stranded & Compacted Aluminum Phase Conductor, and Stranded Messenger Conductor with all aluminum Alloy, Phase Conductor is insulated with XLPE Compound, insulated Messenger with specified IS-14255:1995 & confirming to GTP of GROUP-A. 3 X 25 + 1 X 25 + 1 X 16 SQ.MM	Per Mtr	177.00	Rupees One Hundred Seventy Seven Only
5	170	Stringing of 1.1kv LT Arial Bunched Cable. BESCOM SR	Per Mtr	10.30	Rupees Ten And Paise Thirty Only
6	4	Dead end clamp / Anchor clamp assembly 25 to 95 sqmm bare messenger, Bescom SR of 2010-11, Page no 16 o 34, Sl no 51.16.	Each	140.00	Rupees One Hundred Forty Only
7	1	Erection of Anchor Clamp - 25 to 95 Sq. mm bare messenger. Bescom SR of 2010-11, Page No 21 of 27, Sl no 26.7.	Each	85.00	Rupees Eighty Five Only
8	20	Supplying and fixing of Twin Dial electro mechanical timer (without contactor) using necessary bolts, nuts and washers etc., Group A, PWD SR 2007-08.	Each	4200.00	Rupees Four Thousand Two Hundred Only
9	15	Supply and fixing of 4-pole power contactor with NO/NC contacts on existing wood / panel board using necessary bolts, nuts, washers and wiring etc., complete. d) 100-125 Amps	Each	9915.00	Rupees Nine Thousand Nine Hundred Fifteen Only
10	15	Supplying and fixing miniature circuit breakes on exisiting MCB distribution boards using necessary fixing materials and wiring complete as required. b) 40-63Amps DP.2. Group 'A'	Each	1093.00	Rupees One Thousand Ninety Three Only
11	1	f)40-63Amps TPN. Group A	Each	1936.00	Rupees One Thousand Nine Hundred Thirty Six Only
12	642	Open Conduit Systeme: Supplying heavy gauge PVC conditpipe..... dia confirming to IS 2509 with suitable size bends,junction boxes, adhesibve paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall stone structure or plug incase of brick walls and cement plastering damaged portionusing heavy gauge saddles at an interval of 700mm using NF screwsc)32mm dia 2.5mm thick	Per Mtr	100.00	Rupees One Hundred Only
	5	b)25mm dia 2mm thick	Per Mtr	70.00	Rupees Seventy Only
13	50	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multis and **Copper** conductor single core cable in open or consealed system of wiring.I Group A Materials.g)16 sqmm	Per Mtr	132.00	Rupees One Hundred Thirty Two Only
	3200	1.5 sqmm	Per Mtr	15.90	Rupees Fifteen And Paise Ninety Only
14	5	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3, of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia	Each	2727.00	Rupees Two Thousand Seven Hundred Twenty Seven Only

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15	30	Supplying and fixing of Procelain fuse channel with cut out on exisiting wooden/panel using necessary nuts, bolts and washers etc., complete.d) 100 Amps	Each	360.00	Rupees Three Hundred Sixty Only
16	12	Supplying and fixing of class A (medium duty) Gl pipe of wall thick ness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class. c) 65mm	Per Mtr	585.00	Rupees Five Hundred Eighty Five Only
17	421500	Fabricating supplying and mounting MS box made out... SWG suitable lfor floor/wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size cdlamps with mecessary cable entry pipe with gland and box should be finished with 2 cdoats of red oxide primer paint and finally finished with approved colour enameled metal pain etc., complete. b)16 swg	Sqcm	0.33	Rupees And Paise Thirty Three Only
18	5	Supplying..... amps rated 3phase with neutral bus bar using requiemed capacity electrolytic aluminium strips covered with heat shrinkable couloured PVC sleeve, mounted on phenolic/FRP/DMC insulator which are mounted on powder coated 40x6mm M.S. flat frame work in existing panel board. The bus bar shall gave suitable holes for termination of incoming and outgoing cables as per IS specification with necessary botls, nuts and washers etc., complete.b)250Amps 4X30X10mm Alluminium Strips	Per Mtr	2942.00	Rupees Two Thousand Nine Hundred Forty Two Only
19	30	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint, a)40X40X6mm	Per Mtr	263.00	Rupees Two Hundred Sixty Three Only
20	5	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu = Ics) THREE POLE 100Amps 25kA.	Each	4044.00	Rupees Four Thousand Forty Four Only
21	295	Supplying and running of Gl/Copper strips for grounding connections, using necessary fixing materials as required. II Copper Strip. B)25X3mm	Per Mtr	77.00	Rupees Seventy Seven Only
22	214	Supplying, and fixing of Hot dip Galvanized M.S.Bracket suitable for out door luminaries and mounted on Octagonal pole using necessary bolts, nuts etc., complete.Single Arm Bracket with 1000mm Standard 40/50MM dia	each	1919.00	Rupees One Thousand Nine Hundred Nineteen Only
23	4	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc.16 Sq mm	each	280.00	Rupees Two Hundred Eighty Only
24	10	Supplying of recessed/surface mount aesthetic Square / rectangular modular luminary made out of single piece powder coated CRCA sheet steel accommodating all electrical accessories like electronic ballast suitable to operate on 230V 50Hz AC supply with 18Watts PLL-compact fluorescent lamp, pre-wired upto terminal block with bright anodized aluminum reflector & P5 paralite louvers with spring loaded plastic toggles.2x18Watts	Each	1724.00	Rupees One Thousand Seven Hundred Twenty Four Only

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25	41	Supplying High pressure ..... Metal halide flood light luminary suitable for use with high pressure metal halide lamp with integrated control gear. The fitting shall be non corrosive high pressure die cast aluminum housing powder coated with toughened and heat resistant glass with low copper content black/grey powder coated paint finish with EPDM gasket. Reflector shall be made of high purity pre-anodized aluminum. Cable entry through a cable gland with toggle clips. IP 65 protection for both and optical and electrical compartment. Bottom cover may be with polycarbonate / tempered / toughened glass. Luminaire efficiency should be > 60% and ambient temperature > 35 deg C. High intensity discharge Electro magnetic ballast with copper winding of Octocyclic winding coil. Class H insulated dual coated copper wire. Compliance to IEC 61347-2-9 Safety and IEC 60923- performance. Winding temperature for HID ballast tw = 130 deg C and temperature rise ?T - 70 deg C. Luminaire shall be suitable to operate on 230/250Voupply finish including wiring, ignitor, condenser. SS Toggles for opening front hingeable glass.geable glass, prewired to terminal block.150Watts	Each	6699.00	Rupees Six Thousand Six Hundred Ninety Nine Only
26	5678	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to table 3 class 5 of IS:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS-694:1990 & confirming to GTP of GROUP-A3C X 2.5Sq.mm		86.30	Rupees Eighty Six And Paise Thirty Only
27	46	Supply, installation, testing and commissioning of compact Wall mount speaker with power handling up to 40Watt RMS 0/100volt@ 1456 ohms single channel. selectable taping Specs: Power handling : 15 to 30 watt Frequency response : 80 Hz t0 18khz Spl:	Nos	6890.00	Rupees Six Thousand Eight Hundred Ninety Only
28	3	Supply, installation, testing and commissioning of booster amplifier with power handling of 250 to 300 watt RMS 4ohms Dual and 100/70 volt output on bridge mode single channel Rack mountable Specs: frequency response : 20 htz to 20khtz	Nos	27550.00	Rupees Twenty Seven Thousand Five Hundred Fifty Only

I am prepared to take up the above work at rates quoted in the Schedule 'B'

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